

INTERNAL COMBUSTION ENGINE CYLINDER-TO-CYLINDER
BALANCING WITH BALANCED AIR-FUEL RATIOS

ABSTRACT OF THE DISCLOSURE

A method of balancing combustion among cylinders of
an internal combustion engine. For each cylinder, a
normalized peak firing pressure is calculated as the
5 ratio of its peak firing pressure to its combustion
pressure. Each cylinder's normalized peak firing
pressure is compared to a target value for normalized
peak firing pressure. The fuel flow is adjusted to any
cylinder whose normalized peak firing pressure is not
10 substantially equal to the target value.